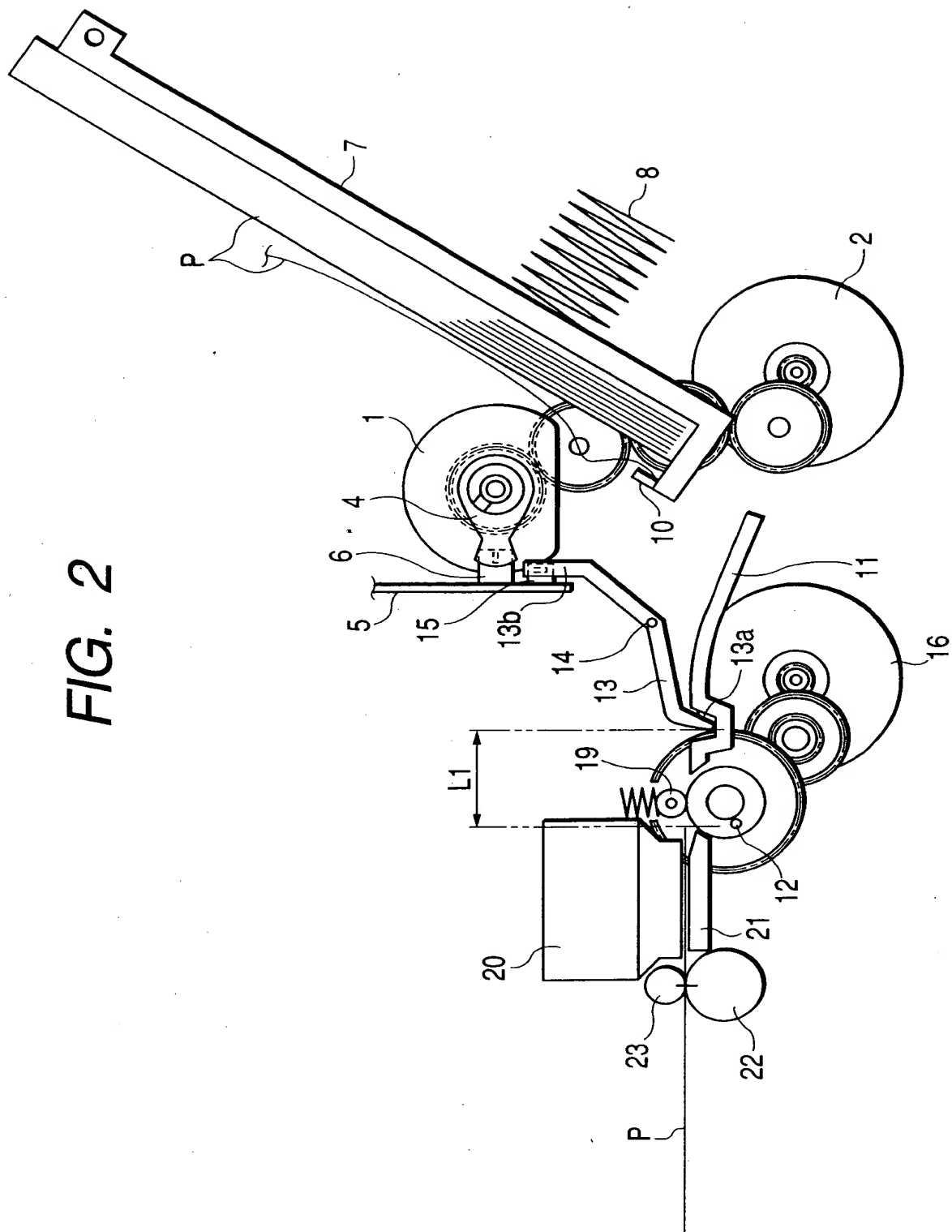


FIG. 2



The diagram shows a horizontal beam with two rollers, 23 and 22, at its left end. Roller 23 is positioned above the beam, and roller 22 is positioned below it. A vertical line labeled 'D' is located to the right of roller 23. A horizontal distance 'L3' is marked between the vertical line 'D' and a point 'C' on the beam. A horizontal distance 'Lin' is marked from point 'C' to the right end of the beam. A roller labeled '19' is positioned above the beam at point 'C'. A roller labeled '12' is positioned below the beam at the right end of the beam. A horizontal distance 'Lout' is marked from the vertical line 'D' to the right end of the beam. A roller labeled '1' is positioned below the beam at the right end of the beam. A vertical line labeled 'B' is located at the right end of the beam. A vertical line labeled 'Vin' is located at the right end of the beam. A vertical line labeled 'Vout' is located at the right end of the beam. A vertical line labeled 'P' is located at the right end of the beam.

A schematic diagram of a mechanical system. A horizontal beam is supported by three rollers. The leftmost roller is labeled 22, the middle roller is labeled 12, and the rightmost roller is labeled 1. A point P is marked on the beam between rollers 22 and 12. A vertical line D is positioned between rollers 22 and 12. A vertical line C is positioned between rollers 12 and 1. The distance between D and C is labeled L3. The distance between C and the right end of the beam is labeled Lin. The distance between roller 22 and roller 12 is labeled Lout. The distance between roller 12 and the right end of the beam is labeled L4. The output voltage is labeled Vout at roller 12, and the input voltage is labeled Vin at roller 1.

FIG. 4

